

FL39	1	MAAV.....	R...RKEF.....	DVVE.....
ICK1	1	M...V.....	RKYRKAK.....	GIVC.....
FL67	1	M.....	GKYIRKS KIDGAGAGAGGGGGGGGGESSIALMDV.....	VSPS.....
FL66	1	M.....	GKYMKKS KITG.....	DISVMEVSKATAPS..
ALFCDKI	1	M.....	GKYMKKLK.....	SKSESPSPN
CrCKI	1	MAAAATPTSSP	AKKIKK.....	VSKS.....
FL39	14	.....	ENGVTT.....	
ICK1	14	.....	A.GVSG.....	
FL67	41	.....	SSSLGVILTR.AKSLALQQQQRCLL	KPSSP
FL66	27	.....	P....GVRTRAAKTELAL.....	KR..LNSSAAD
ALFCDKI	19	STPTPSPSPTPITTNSPPPTTPNSSDGVRTR.	ARTLAIE.....	NS....
CrCKI	22	.....	
FL39	20	.....	TT..VKR RKMEEEVDLVES	
ICK1	19	.....	TY..MQLR.....	S
FL67	72	SSLPPTSASPNNPSKQKMKKKQQQMN	D.CGSY..L.QLR.....	S
FL66	49	SALP.....	DSSC..Y..L.QLR.....	S
ALFCDKI	61	.....	NNQNQNLSVSSD..SY..L.QLR.....	N
CrCKI	22	.....	SYNIPQLR.....	S
FL39	37	RIILSPCVQATNRGGIV.AR.....		
ICK1	26	R.....R..IVYVR.....		
FL67	108	R.....RLQKKP.....	PIVVI RSTKRRKQQRRNETCGRNPN	
FL66	64	R.....RLE.KPSSLIEP.....	KQ.....P	
ALFCDKI	80	R.....RLKR.....	PLIRQHSAKRNK.....	GHIDGN
CrCKI	31	R.....R.....	K.....N	
FL39	56	NSACASE..TSV.....	VIVRRRDSPVVEQ.....	
ICK1	33	.....SEKSSSV.....	SVV.....	
FL67	140	PRSNLDSIRGDCSRS..DGVSE..	SVVFGKDKDLISE.I.....	NKDPTI
FL66	79	PRVHRSGIKESCSRSRVDSVN..SVP.....	VAQSS.....	NEDECQDNF
ALFCDKI	102	PK..SPI..G.....	DSHAEEEKTV.....	QKSPEPENAE..FK..
CrCKI	35	LSAP.....		
FL39	80	CQIEEEEDSSV..SCCSTSEE..	KSKRRIEFVDLEE..NNGDDRET..ETSWIY...	
ICK1	43	GONGVSSSCSGSNEYKKK..	ELIHLEEEDKDGD..I..ETS.TYRRG	
FL67	180	...G...N.....	FFDLEEHTQSFNRTRES.....	
FL66	117	VSVQVSCGENSLG.....	F..GSRH.....GTRES.....	
ALFCDKI	129	ENA.....	ECTR.....RSARET.....	
CrCKI	39	EN.....	EADL.....ET	
FL39	125	.....	DDLNKSEESMN MDS..SSVAVEDV.....	
ICK1	83	TKRKLCENLREEEKEELSKSME..	NYSSFEFES.AVK..E.....	
FL67	202	TF.....CS.....	LIRRPEIM.....TT.....PG	
FL66	140	TF.....CN.....	FVEDMEIM.....VI.....PG	
ALFCDKI	142	TF.....VH.....	LIMRA DVL RPPRPI TRRT..EE..	
CrCKI	47	TFLEVAAVVEEEVANCS.....	SSEVI.....TWA RSDEEP	

Figure 1

FL39	148	SRREPL.....	RKSLHETV..
ICK1	117	S...LDCCCS.....	GRKTMEETVTA
FL67	218	SSTALNIC..VS.....	ESNQR..EDSLSR
FL66	156	SSTR. SMGRATK.....	EYTRE..QDNVI.
ALFCDKI	166	..T.....	EANPK..TE....
CrCKI	79	S.....CCSSNYDQLSSSEPEVVKDDGLGNRTADPEVESGEASSK..QK...E	

FL39	161	.....K.....	EAELEDFFQVAEKDLRNKLLCSMK
ICK1	135	EEEAKAKLMT.....	EMPTSETEIDFFVEAEKOLKEKEF...KKK
FL67	239	SHRRR.....	PTT.....F...EMDEFFSGAEEBQOKQFIE...K
FL66	177	.....	PTT.....S...EMEEFFAYAEQQQQRLFME...K
ALFCDKI	174	....Q.....	PISREFEEFCAKHEAEQOREFME...K
CrCKI	123	SHRTEAREATKLDDQDYFATKSTVQIKMPSDSEIEEFFAVAEEKDLOKRFSE...K	

FL39	187	.....	YNFDFEKDEPLGGGRYE
ICK1	171	.....	YNFDFEKEKPL.EGRYE
FL67	268	YVFPRFICSVLLVMSFQVLFSGLVSLMVSNSFRYNFDPVNEQPLP.GREE	
FL66	201	.....	YNFDIVNEDIPLS.GRYE
ALFCDKI	202	.....	YNFDIVPTEQPLP.GRYE
CrCKI	175	.....	YNFDIVKDVPLK.GRYE

FL39	204	WVKLNP
ICK1	187	WVKLE
FL67	322	WTKVDD
FL66	217	WVQVKE
ALFCDKI	218	WEKVSE
CrCKI	191	WVPINE

FIGURE 1 (continued)

Figure 2B

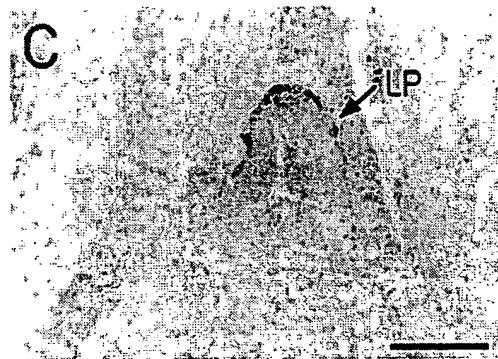
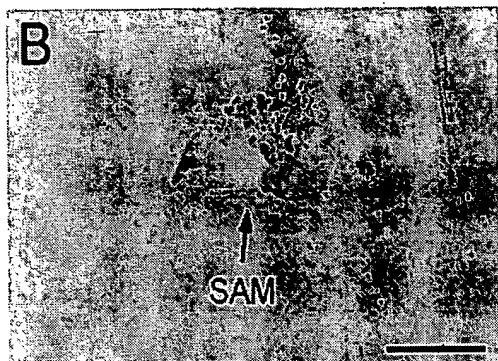


Figure 2D

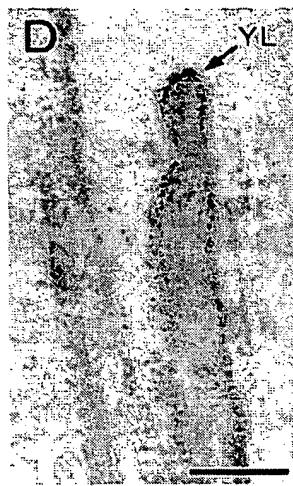


Figure 2E



Figure 2F

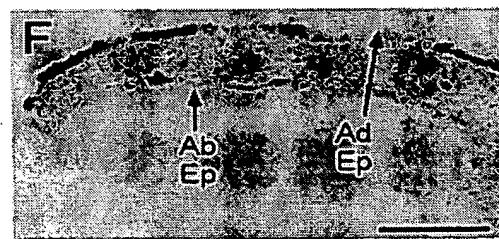


Figure 2C

Control

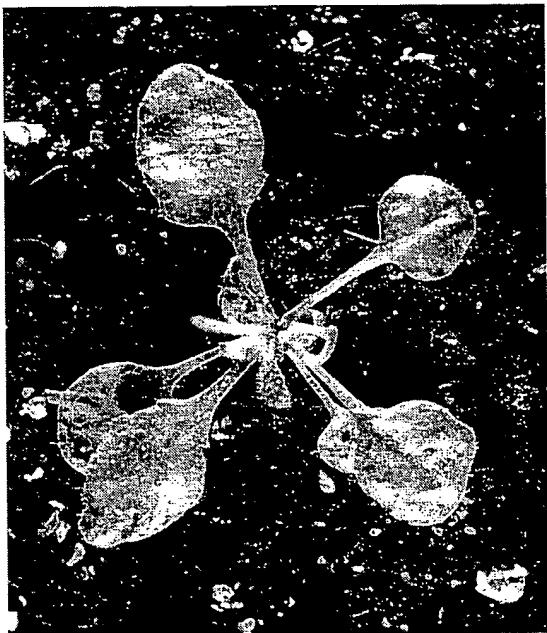


Figure 3A

ICK2 1.10



Figure 3B

Control

ICK2 1.10



Figure 3C

Figure 4A

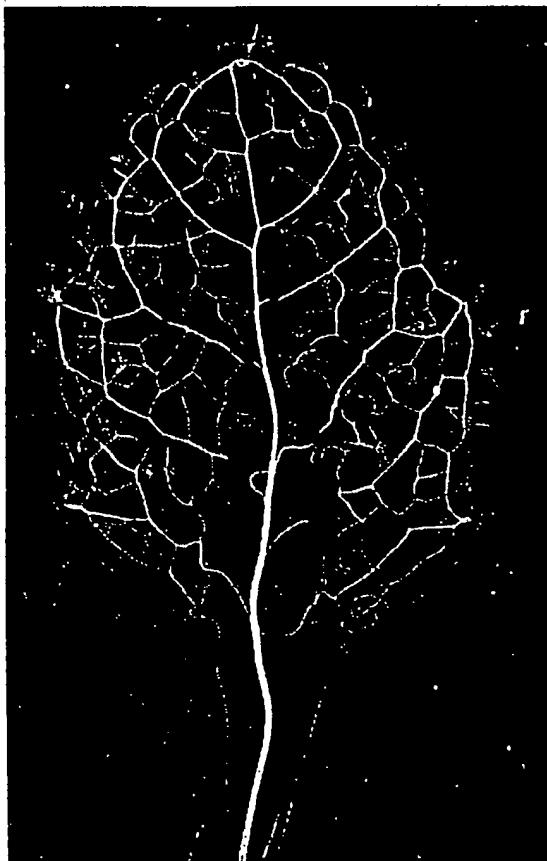
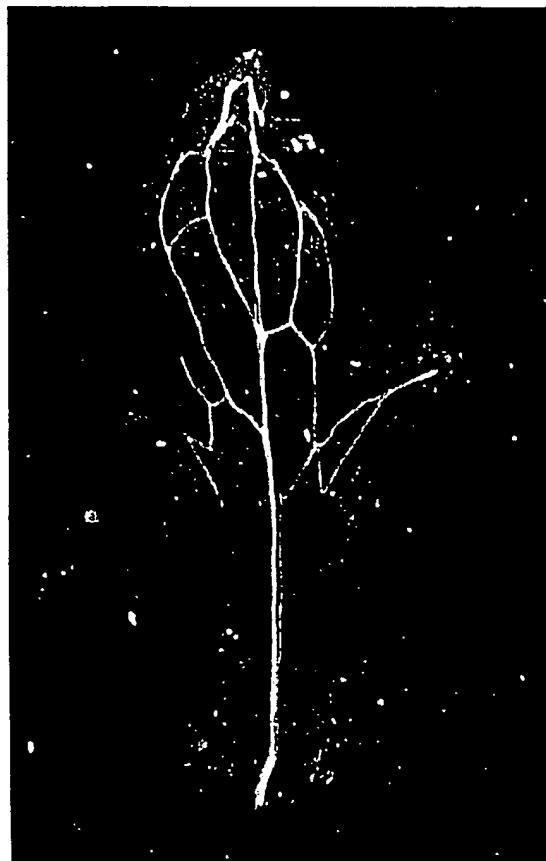


Figure 4B



cell area (adaxial epidermis 1st two leaves)

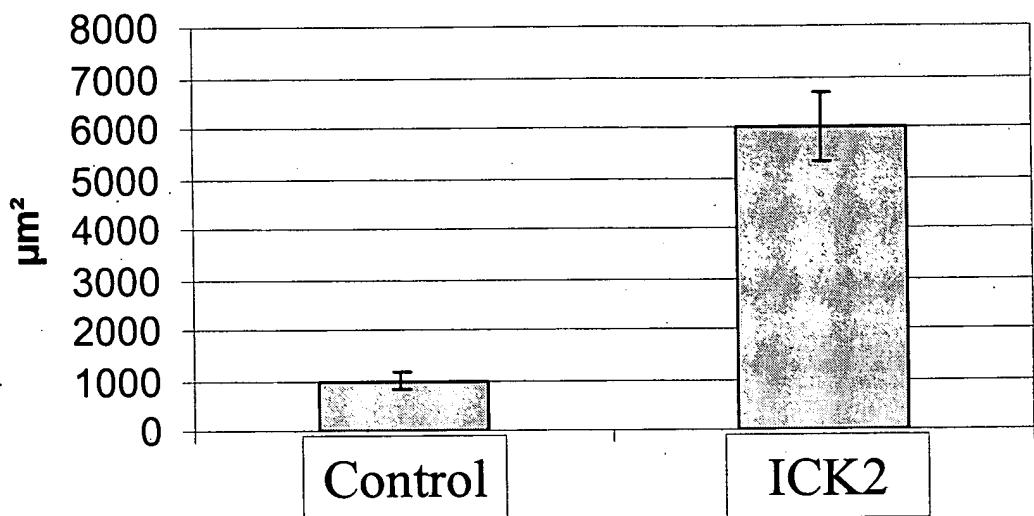


Figure 5

Figure 6A

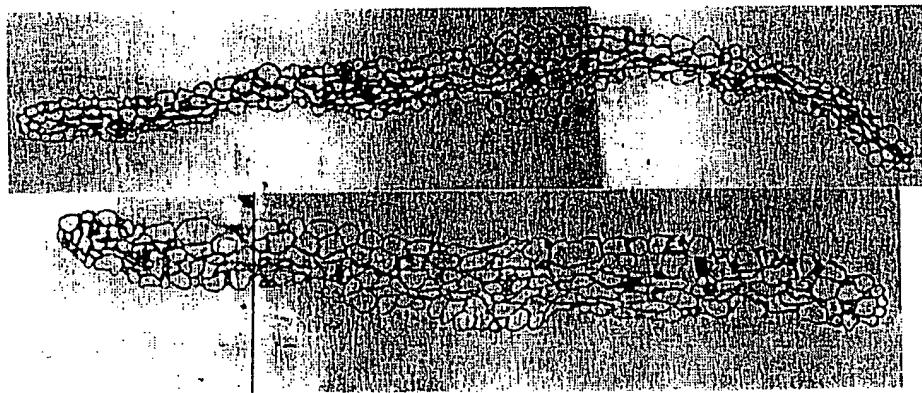


Figure 6B

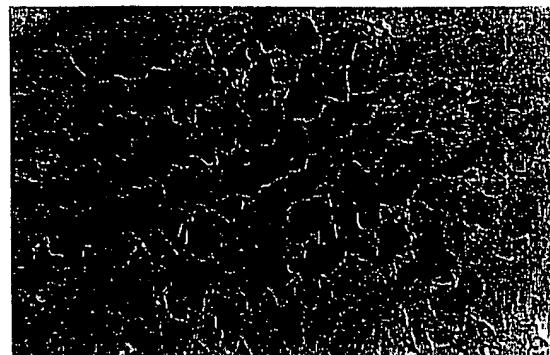
Narrow leaves: Whole-mount study of cleared leaves (1st rosette leaves)

A



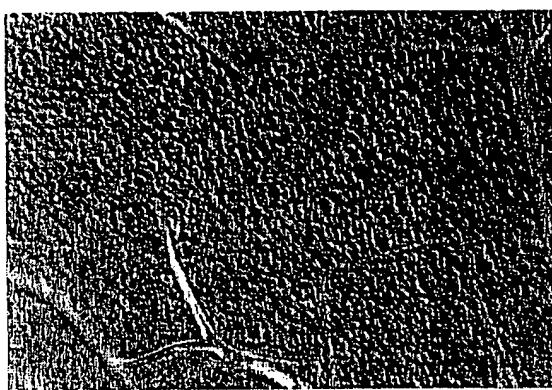
WT: DIC image of adaxial epidermis

B



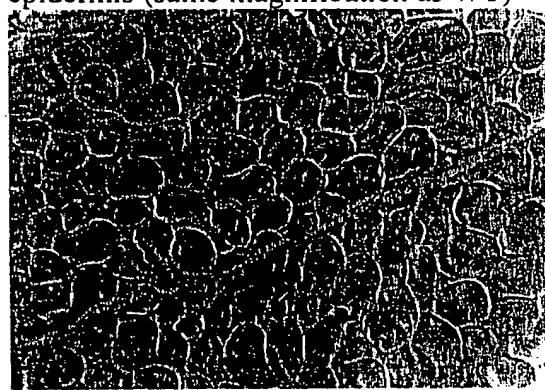
35SFL39: DIC image of adaxial epidermis (same magnification as WT)

C



WT: DIC image of palissade layer

D



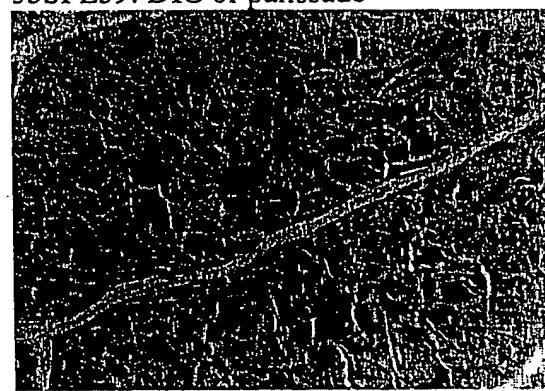
35SFL39: DIC of palissade

E



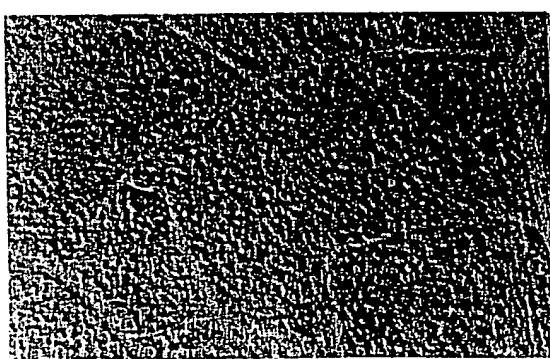
WT: DIC image of spongy parenchyma

F



35SFL39: DIC image of spongy parenchyma

G



WT: DIC image of abaxial epidermis

H



35SFL39: DIC image of abaxial epidermis

Figure 7

Control

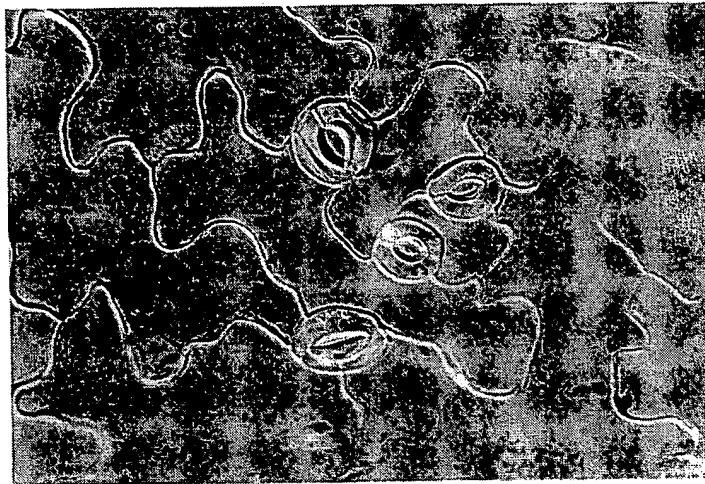


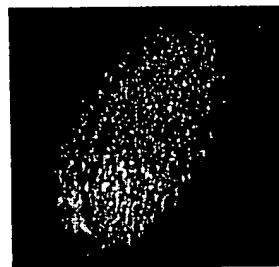
Figure 8A



Figure 8B

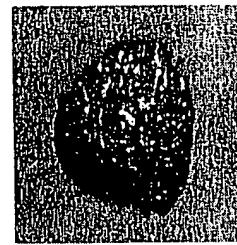
ICK2

Figure 9A



WT seed

Figure 9B



35SFL39 seed

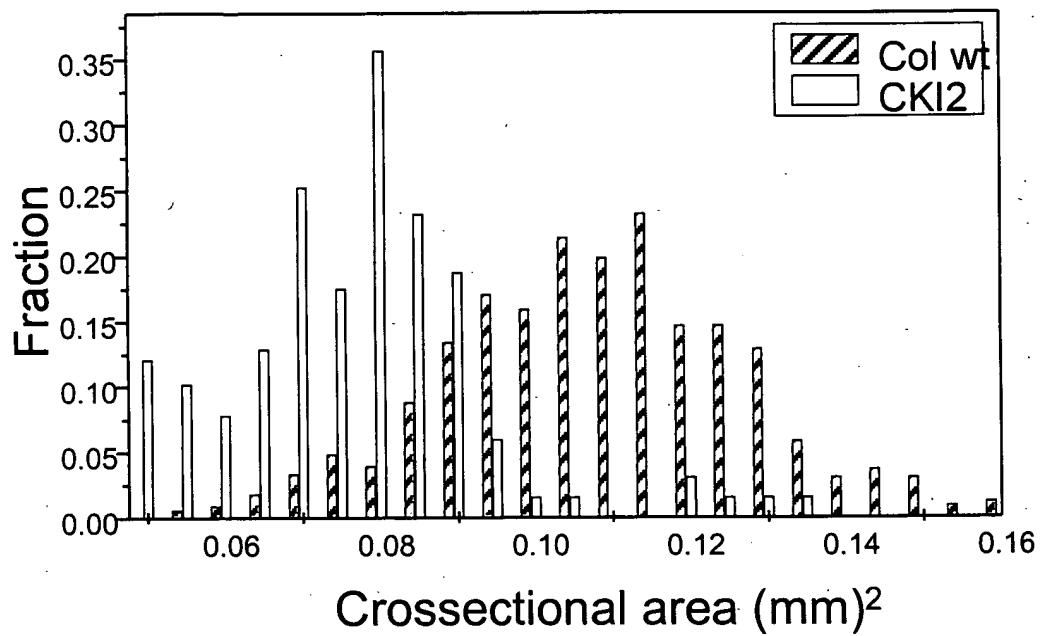


Figure 10

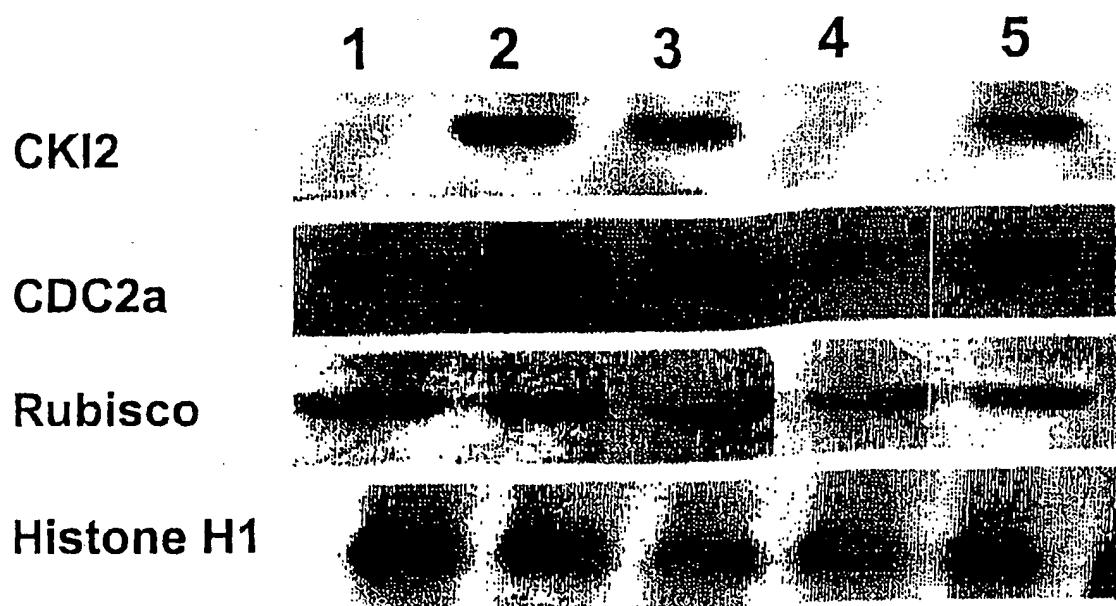


Figure 11

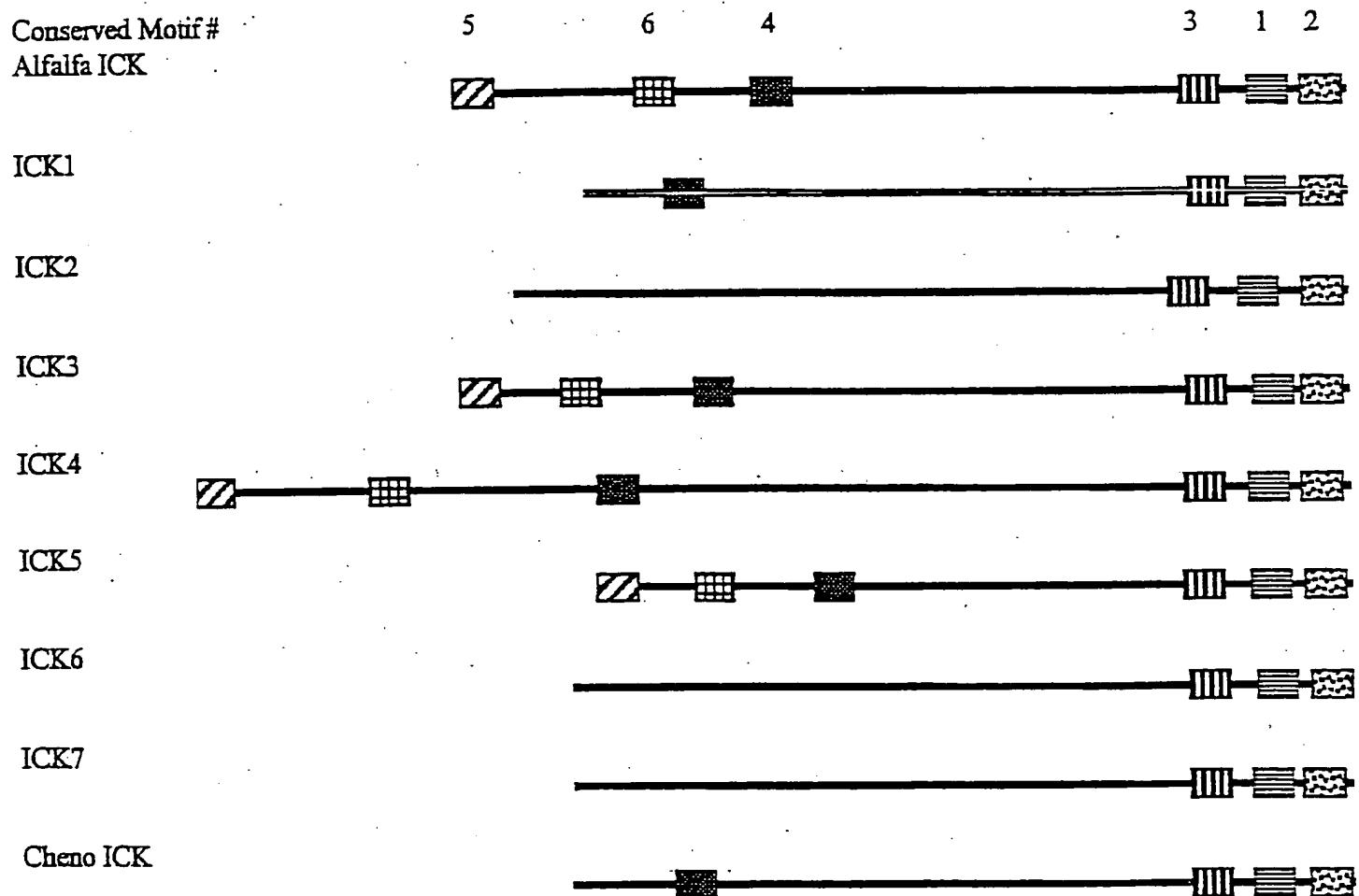


Figure 12

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